

Title (en)
Injection Moulding Device

Title (de)
Spritzgiessvorrichtung

Title (fr)
Appareil de moulage par injection

Publication
EP 1512512 B1 20070606 (DE)

Application
EP 04103325 A 20040713

Priority
• DE 10337797 A 20030814
• DE 102004024731 A 20040519

Abstract (en)
[origin: EP1512512A2] An arrangement for injection molding plastics comprises at least two movable mold tensioning plates (1), each of which has a plastifier and an injection unit (2). The plates can move towards each other, and a rotatable middle section (3) is located between them. The middle section consists of an element which can rotate about its vertical axis, and a fixed section which is connected to the machine bed (4) so its position with respect to the bed cannot change. The movable plates are nozzle plates, and their beams (5) act as tensioning rods. The movable plate has a short stroke hydraulic cylinder which is used to apply force to the beams.

IPC 8 full level
B29C 45/16 (2006.01); **B29C 45/04** (2006.01); **B29C 45/67** (2006.01); **B29C 45/12** (2006.01)

CPC (source: EP)
B29C 45/045 (2013.01); **B29C 45/1628** (2013.01); **B29C 45/6728** (2013.01); **B29C 45/12** (2013.01); **B29C 2045/1631** (2013.01); **B29C 2045/1632** (2013.01); **B29C 2045/6735** (2013.01); **B29C 2045/6742** (2013.01)

Citation (examination)
WO 0240196 A2 20020523 - AREND DONALD P [US]

Cited by
WO2007141228A1; DE102006026846A1; CN102806628A; FR2888152A1; US2014370142A1; US9393724B2; US7455516B2; WO2006106036A1; TWI464047B; EP2543490A2

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AT DE FR IT

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